B /229 cont./
*191 laterally hollowed end of the wooden support, lashing it, and
411 covering it with resin.
[237]

Sometimes a pierced, hollow tucum nut is shoved up on the arrow shaft to slightly above the middle; one or two holes are cut into the nut on the side. In flight a high-pitched whirring or whistling is heard. /230/ While the noise-making arrows are used only for bird hunting, the others are intended for all hunting and the shooting of fish; those with barbs are exclusively
B fish arrows. Arrows with sawlike notched wooden points do not
[101] occur on the Schingú except among the Yarumá, whom we regard as a southern group of the Mundurukú /Mundurucu/ of the Tapajoz /Tapajós/.

T The Suyá and Trumaí had arrows with long pointed bamboo
191 knives for war and for hunting jaguar. Spindle-shaped bamboo
411 splinters up to 35 centimeters long and up to 36 millimeters wide,
[824] knife-sharp on the edges, are mounted on the wooden stick driven deep into the reed shaft; the wooden stick is embedded in a groove
T cut below along the inner surface of the splinter. And, to be
[284] sure, the pointed spindle is only loosely fastened with a little resin and thread; when shot it remains in the body that was hit, while the shaft with the wooden stick flies off behind it.

B The most remarkable thing about the arrow is the feathering
*191 at the lower end. Two feathers, more correctly two halves of
411 feathers, for the feather is split at the shaft, are carefully fastened
237 in a spiral twist which goes around one-fourth of the circumfer-
ence; each flag stands with the plane of its upper part perpendicu-
lar on that of its lower part, so that the flying arrow spirals
B through the air. The feathers are set in a row of small holes,
[284] which are made with an agutí tooth and enlarged with a pointed buriti splinter, and, one may say, are sewed onto the arrow; the cotton thread is wound around the ends and is itself protected by
B being wound with waimbé bark (Philodendron). Usually the
[825] feathers come from gallinaceous birds, jakú (Penelope) and mutung (Crax), from the falcon, and from the blue arara. Where the hand grasps the arrow shaft there is a wrapping of waimbé. At the bottom a notch is cut in parallel to the upper part of the feathers.

/231 cont./

171 411 in battle. The purpose of the throwing board is /232/ to throw a stone-weighted arrow, or, if one wishes, a more graceful spear, [824] with great force. The type present on the Schingú is a thin, smooth stick of hard palm wood about 70 centimeters long, which widens at the front end into a holding plate provided with a hole and bears a small hook at the other, rear end. In other words, no board and no sign of a groove. Cf. Figures 28 /see p. 241/ and 6, p. 91.

The arrow is set in on the barb at the back, the index finger is stuck through the hole of the holding plate, while the other fingers grasp the plate and the arrow; thus, the rear part of the arrow lies securely against the throwing board, is lifted with a powerful swing, the throwing stick describes an arc forward and upward and with this lever motion sends out the arrow so "that it [824] positively whizzes." The throwing boards are made of light or [237] dark palm wood, /Fig. 28 appears here/ they are nicely smoothed, and some of them give an impression of elegance, especially if a small bunch of colored feathers hangs down from the barb cord. The plate has a width of about five centimeters in front, six centimeters in the rear, and a length of 15 centimeters; it is cut biconcave, so that the hand grasps it securely. The shaft is [284] about four times as long. The barb on which the dart is set, a bone among the Karayá, is here a little stick, two and a half centimeters long, lashed on diagonally with cotton thread. There were throwing boards in small sizes for children.

The reed thrown by our Indians is not a spear, but a real ubá arrow and is also called an arrow by them /in this work it is called arrow (Pfeil) or dart (Wurfpfeil). Only the feathering is usually more carelessly worked and not arranged spirally. Bone points and sharp wooden points do not occur. The characteristic thing about the dart is the opposite -- a possibility not provided for in the German language, it seems -- a "blunt point." /233/ In this respect, too, the characteristic of the "spear" is lacking. [284] The dart does not spear and stab, but shatters with a heavy blow. Inserted into the shaft, lashed with string, and smeared with wax were heavy stone or wood points. The stones either conical, like